

FIG. 1

DECIMAL	BINARY
0	000000
1	000001
2	000010
4	000100
5	000101
8	001000
9	001001
10	001010
16	010000
17	010001
18	010010
20	010100
21	010101
32	100000
33	100001
34	100010
36	100100
37	100101
40	101000
41	101001
42	101010

FIG. 2

S(k) D(k)	0			1			2			3		
		C(k)	S(k+1)		C(k)	S(k+1)		C(k)	S(k+1)		C(k)	S(k+1)
0	1	000001	0	9	001001	0	33	100001	0	41	101001	0
1	1	000001	1	9	001001	1	33	100001	1	41	101001	1
2	17	010001	0	5	000101	0	17	010001	0	37	100101	0
3	17	010001	1	5	000101	1	17	010001	1	37	100101	1
4	18	010010	1	2	000010	1	18	010010	1	34	100010	1
5	18	010010	2	2	000010	2	18	010010	2	34	100010	2
6	18	010010	3	2	000010	3	18	010010	3	34	100010	3
7	21	010101	0	4	000100	1	36	100100	1	21	010101	0
8	21	010101	1	4	000100	2	36	100100	2	21	010101	1
9	20	010100	1	4	000100	3	36	100100	3	20	010100	1
10	20	010100	2	10	001010	1	42	101010	1	20	010100	2
11	20	010100	3	8	001000	1	40	101000	1	20	010100	3
12	0	000000	2	10	001010	2	42	101010	2	32	100000	2
13	0	000000	3	10	001010	3	42	101010	3	32	100000	3
14	16	010000	2	8	001000	2	40	101000	2	16	010000	2
15	16	010000	3	8	001000	3	40	101000	3	16	010000	3

F I G. 3

$S(k)$ $D(k)$	0		1		2		3	
	$C(k)$	$S(k+1)$	$C(k)$	$S(k+1)$	$C(k)$	$S(k+1)$	$C(k)$	$S(k+1)$
0	1	000001	0	9	001001	0	33	100001
1	17	010001	1	5	000101	1	17	010001
2	18	010010	2	2	000010	2	18	010010
3	17	010001	0	5	000101	0	17	010001
4	18	010010	1	2	000010	1	18	010010
5	1	000001	1	9	001001	1	33	100001
6	18	010010	3	2	000010	3	18	010010
7	20	010100	1	4	000100	1	36	100100
8	21	010101	0	4	000100	2	36	100100
9	20	010100	2	4	000100	3	36	100100
10	21	010101	1	10	001010	1	42	101010
11	20	010100	3	8	001000	1	40	101000
12	16	010000	2	8	001000	2	40	101000
13	0	000000	3	10	001010	3	42	101010
14	16	010000	3	8	001000	3	40	101000
15	0	000000	2	10	001010	2	42	101010

FIG. 6

INPUT CODE WORD $D(k)$	CURRENT-TABLE SELECTION NUMBER $S(k)$	OUTPUT CODE WORD $C(k)$	NEXT-TABLE SELECTION NUMBER $S(k+1)$
4	0	18	1
5	1	2	2
6	2	18	3
7	3	21	0
8	0	21	1

FIG. 8

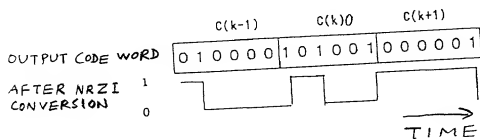


FIG. 9

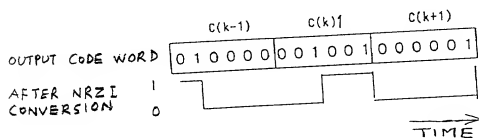


FIG. 7

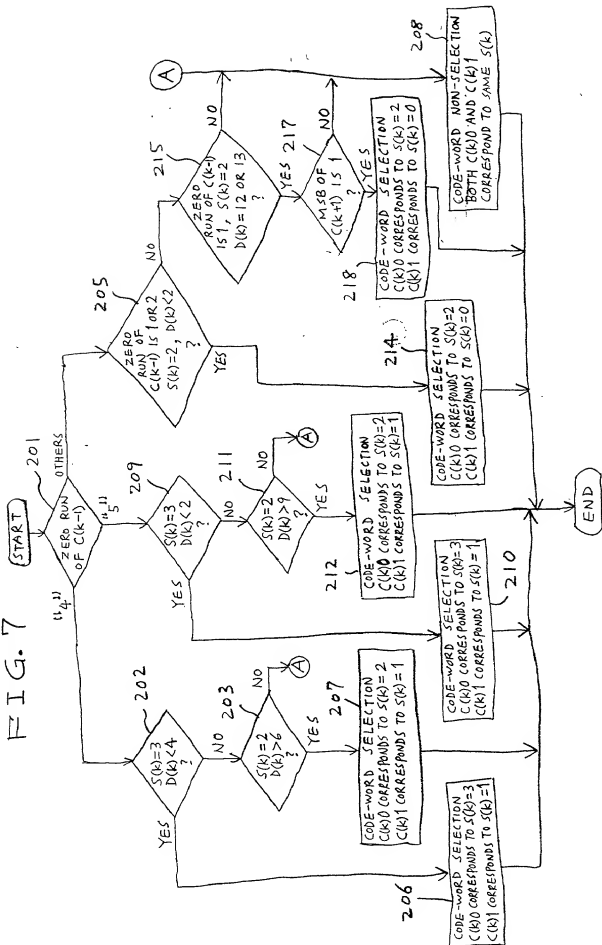


FIG. 10

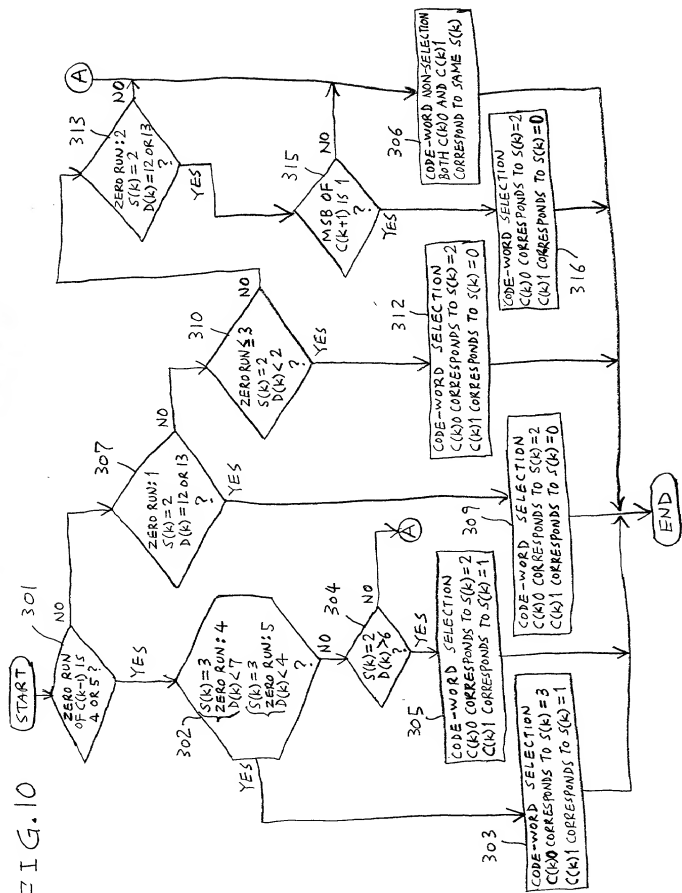
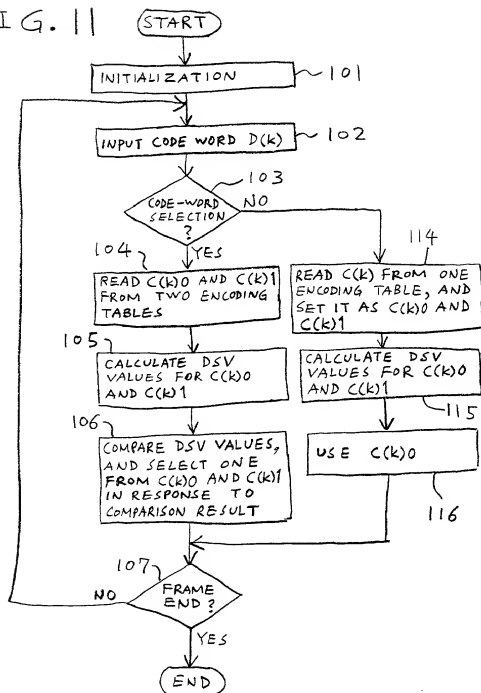


FIG. 11



F I G. 12

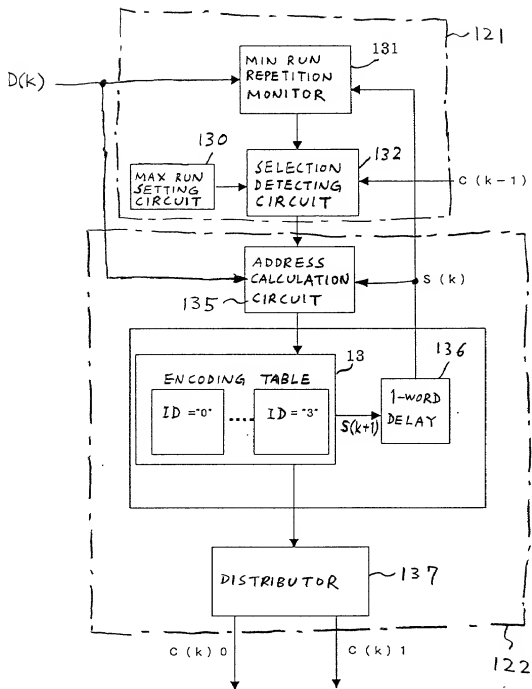


FIG. 13

500

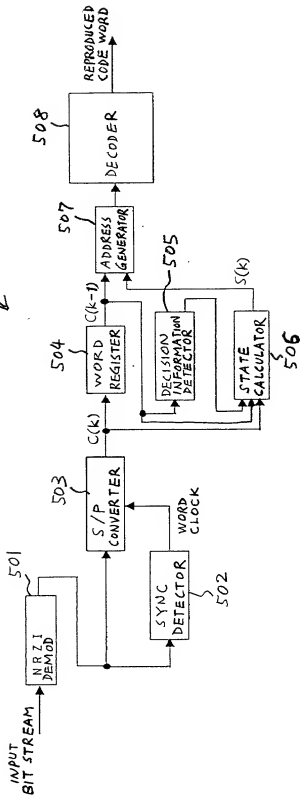


FIG. 14

C(k-1)		DECISION INFORMATION	D(k-1)			
DECIMAL	BINARY		S(k)=0	S(k)=1	S(k)=2	S(k)=3
0	000000	2	7	-	12	13
1	000001	0	0	1	-	-
2	000010	1	-	4	5	6
4	000100	1	-	7	8	9
5	000101	0	2	3	-	-
8	001000	1	-	11	14	15
9	001001	0	0	1	-	-
10	001010	1	-	10	12	13
16	010000	2	-	-	14	15
17	010001	0	2	3	-	-
18	010010	1	-	4	5	6
20	010100	1	-	9	10	11
21	010101	0	7	8	-	-
32	100000	2	-	-	12	13
33	100001	0	0	1	-	-
34	100010	1	-	4	5	6
37	100101	0	2	3	-	-
40	101000	1	-	11	14	15
41	101001	0	7	8	-	-
42	101010	1	-	10	12	13

FIG. 15

D(k)	C(k)	DECISION INFORMATION	S(k)
15	010000	2	3
0	001001	0	0
1	000001	0	1
2	000101	0	0
3	010001	0	-